## REMARKS

Claims 1-34 are pending in this application. By this amendment, Applicant has amended claims 1, 5, 9, 10, 13-15, 17, 21, 25, 26 and 30-34 and added claims 35-37. Reconsideration of the above-identified application in view of the foregoing amendments and the following remarks is respectfully requested. As a preliminary matter, Applicant respectfully submits that several of the amendments to the claims are directed solely to correcting obvious typographical errors and are not intended to relate to patentability.

**Objections to the Drawings:**

The Examiner has objected to FIGS. 1-3. In this regard, Applicant has amended the drawings and corresponding disclosure in the specification and submits herewith a proposed drawing correction labeled "Replacement Sheets" for the Examiner's consideration. Applicant respectfully submits that the proposed drawing correction overcomes the Examiner's objections, and thus, respectfully requests that the objections be withdrawn and the Replacement Sheets entered. No new matter has been added.

**Rejections Under 35 U.S.C. § 103(a):**

Claims 1-7, 9-23 and 25-34 are rejected under 35 U.S.C.§ 103 as being unpatentable over U.S. Patent No. 5,081,707 to Schorman et al. ("Schorman") in view of U.S. Patent No. 5,910,765 to Slemon et al.. ("Slemon"). Claims 1, 13-15, 17 and 30-34 are independent.

Claim 1, as amended, is directed to a method comprising: storing sensor signals indicative of a plurality of external conditions over a period of time; segmenting said sensor signals into a time sequence of sensor data segments; storing an indication of an operation performed by the user during at least one of said sensor data segments; and determining a rule

for future operation, the rule corresponding to said sequence of sensor data segments and the operation.

Schorman is directed to a radio 100 that includes a speed sensor for receiving signals regarding the speed of a vehicle within which the radio is situated, a location sensor, such as a GPS unit, and a time sensor. The radio is knowledge-based and monitors changed operating parameters and environmental conditions, and selectively varies operating parameters in response to rules. The rules can be varied over time by the radio based upon the monitored response of the user to various environmental conditions. For example, in one embodiment of Schorman, if over time, the stored facts regarding a user's actions in relation to environmental conditions indicates that the user tends to increase the volume of the radio by two steps with each 10 miles per hour increase in speed of the vehicle, the radio's processor 103 can determine to thereafter automatically change the volume level of the radio by two steps with each 10 mile per hour increase.

Slemon is directed to a sensor module that includes a plurality of sensors 12 for generating sensor data and a pre-processor 18 for taking a reading of output data from the sensors and joining similar or interdependent output data into a data segment. (See, e.g., 6/24-28, "The purpose of the pre-processor unit 18 is to collect the data in all of the various outputs 16a-g and sort this data into data segments 20a-c with each data segment 20 containing generally related data.) The data segments are then fed to a recognition device 22, which, based on the data segments, generates an output signal to identify whether an environmental event has occurred.

Applicant respectfully submits that neither Schorman nor Slemon teach or suggest either the feature of "segmenting said sensor signals into a time sequence of sensor data segments"

or the feature of "a rule corresponding to said [time] sequence of sensor data segments", as required by claim 1.

As admitted in the Office Action, Schorman does not teach segmentation at all. Moreover, although Slemon refers to data segments, it does so only with respect to combining similar or interdependent sensor data. Once combined, a segment of each data type is sent to the recognition unit for recognition of an event. After that, the prior segments seem to be forgotten and another sampling of sensor data is taken, segments are generated and an attempt at recognition is again performed. Although readings of sensor data are taken in Slemon and corresponding segments generated, Applicant respectfully submits that this is simply a case of taking individual measurements for recognition and not "segmenting said sensor signals into a time sequence of sensor data segments" because no "time sequence" is being generated, as required by amended claim 1.

Furthermore, Applicant respectfully submits that there is no motivation on the current record to modify Schorman to include the segmentation of Slemon. As discussed above, Slemon generates data segments of similar or interdependent data. In Schorman, however, the data measured is speed, location and time, which are neither similar nor interdependent data. Thus, one of ordinary skill in the art would not have been motivated to modify Schorman to include the data segments of Slemon.

Additionally, one of ordinary skill in the art would not have been motivated to modify Schorman to arrive at a "rule corresponding to said [time] sequence of sensor data segments", as further required by claim 1. This is because Schorman does not teach or suggest segmentation, and thus, does not teach or suggest a sequence of data segments. And although Slemon may analyze multiple data segments corresponding to various combined outputs to

detect an event, it does not do so for a time sequence of data segments, and thus, one of ordinary skill in the art simply would not have been motivated to modify Schorman to create a rule corresponding to a time sequence of sensor data segments.

Accordingly, for each of the foregoing reasons, Applicant respectfully submits that claim 1 is patentable over the combination of Schorman and Slemon. Independent claims 13-15, 17 and 30-34 contain features similar to those found in claim 1, and thus, are allowable for at least the same reasons.

**Dependent Claims:**

Applicant does not believe it necessary at this time to further address the rejections of the dependent claims as Applicant believes that the foregoing arguments and amendments place the independent claims in condition for allowance. Applicant, however, reserves the right to address those rejections in the future should such a response be deemed necessary and appropriate.

**New Claims:**

Applicant has added new claims 35-37 directed to various other features of the present invention also thought to be patentable. An examination on the merits of these new claims is respectfully requested.

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For the above-stated reasons, this application is respectfully asserted to be in condition for allowance, and an early and favorable examination on the merits is respectfully requested.

## AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required by this response, or credit any overpayment to Deposit Account No. 13-4500, Order No. 4208-4048. A DUPLICATE COPY OF THIS PAPER IS ATTACHED.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 13-4500, Order No. 4208-4048. A DUPLICATE COPY OF THIS PAPER IS ATTACHED.

Respectfully submitted,
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